

IN THE CLAIMS

Please add new claims 49-51, as shown below. The following listing of claims replaces all prior listings.

1. (Original) A substantially pure polypeptide characterized as:

(a) phosphorylating Cdc25 or a homologue thereof;

(b) having a molecular mass of about 58 kD;

(c) having about 517 amino acids;

(d) having SQ/TQ motifs at the amino terminal region;

(e) having a carboxyl terminal kinase domain; and

(f) having an amino terminal forkhead-associated domain.

2. (Original) A polypeptide of claim 1, wherein the polypeptide has an amino acid sequence as set forth in SEQ ID NO:2.

3. (Original) A substantially pure polypeptide having an amino acid sequence as set forth in SEQ ID NO:2 or conservative variants thereof.

4. (Original) A substantially pure polypeptide having an amino acid sequence that is about 80% homologous to the polypeptide of claim 3.

5-48. (Canceled).

49. (New) A substantially pure polypeptide characterized as:

(a) phosphorylating Cdc25;

- (b) having a molecular mass of about 58 kD;
- (c) having about 517 amino acids;
- (d) having SQ/TQ motifs at the amino terminal region;
- (e) having a carboxyl terminal kinase domain; and
- (f) having an amino terminal forkhead-associated domain.

50. (New) A polypeptide of claim 49, wherein the polypeptide has an amino acid sequence as set forth in SEQ ID NO:2.

51. (New) A substantially pure polypeptide having an amino acid sequence as set forth in SEQ ID NO:2.